

Surface Friction Testing Review

BibleMouse.com

Understanding Friction Forces

Name: _____

Date: _____

Answer the following questions based on the lesson about surface friction testing.

1. What is a spring scale used for?

- A. To measure temperature
- B. To measure friction force
- C. To measure distance

2. Why do different surfaces create different levels of friction?

3. Friction is a force that helps objects move easily.

- True False

4. Friction is a resistance force that acts between two ____ surfaces.

5. Which surface might have the least friction?

- A. Sandpaper
- B. Ice
- C. Rubber

6. How can scientists use graphs in friction testing?

7. Measuring friction can help us understand how to reduce sliding in machines.

- True False

8. Proverbs 22:29 teaches that a skilled person will stand before ____ and not before obscure men.

9. Why might scientists need to measure friction?

- A. To improve transportation
- B. To bake better cookies
- C. To change the weather

10. Describe one example where you see friction in everyday life.

Answer Key

1. To measure friction force 2. Different surfaces have varying textures and materials, which affect how much they grip against each other. 3. False 4. touching 5. Ice 6. Graphs help scientists visualize the friction measurements, making it easier to compare different surfaces and analyze results. 7. True 8. kings 9. To improve transportation 10. I see friction when I rub my hands together to get them warm. The roughness of my skin creates heat due to friction.